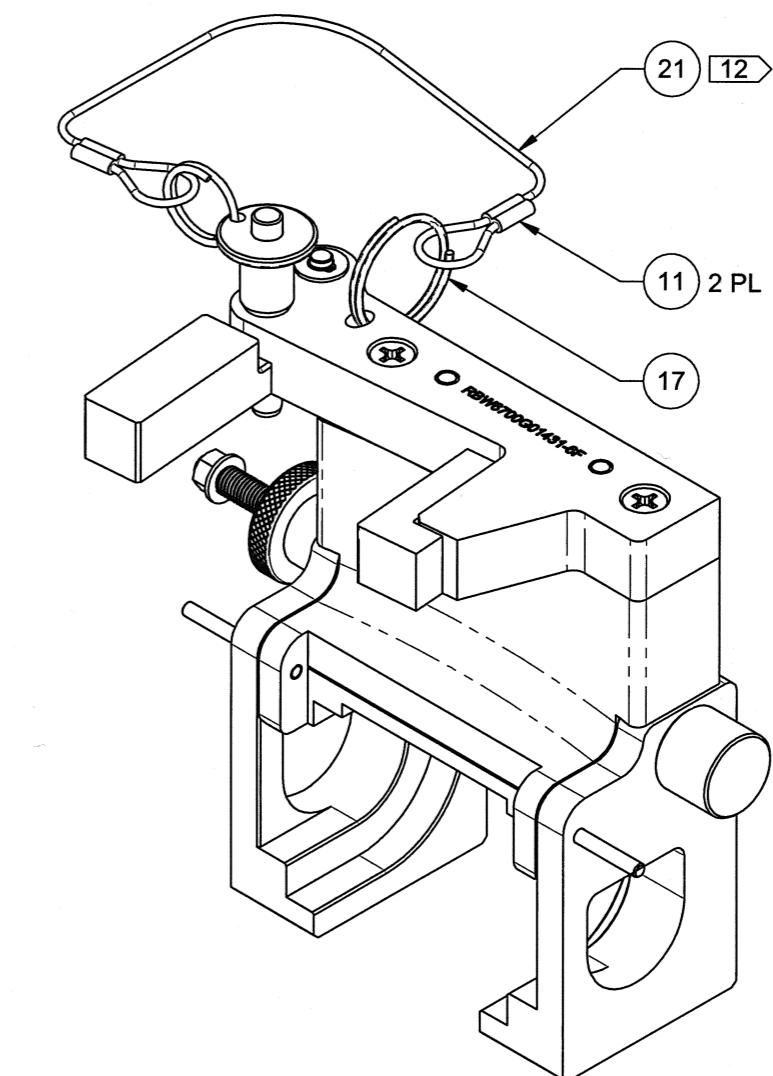
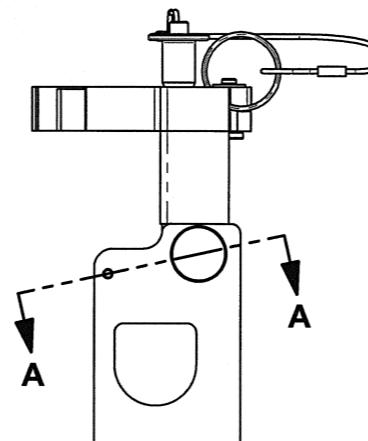
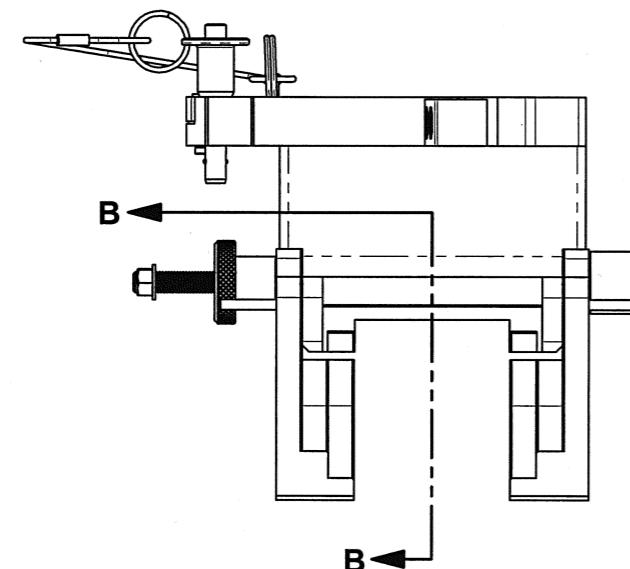


ITEM #	QTY	PART #	PART TITLE
-2	1	RBW6700G01431-6F-2	POSITIONING BASE
-3	1	RBW6700G01431-6F-3	PIN
-4	1	RBW6700G01431-6F-4	PIVOT PIN
-5	1	RBW6700G01431-6F-5	PROTECTION
-6	1	RBW6700G01431-6F-6	POSITIONING BLOCK
-7	1	RBW6700G01431-6F-7	LEFT HAND MOUNTING BLOCK
-8	1	RBW6700G01431-6F-8	RIGHT HAND MOUNTING BLOCK
-9	1	RBW6700G01431-6F-9	MIDDLE MOUNTING BLOCK
-10	1	RBW6700G01431-6F-10	MOUNTING BASE ASSEMBLY
11	2	McMaster#3896T31 OR EQUIV.	ALUMINUM WIRE ROPE COMPRESSION SLEEVE 1/16" DIA. X 3/8" LG.
12	1	McMaster#6121K540 OR EQUIV.	BLACK OXIDE STEEL ROUND KNOB 1/4"-28 X 1" HEAD DIA. X 5/8" HUB DIA. X 3/4" OAL.
13	2	McMaster#9657K299 OR EQUIV.	MUSIC WIRE STEEL COMPRESSION SPRING 0.24" OD. X 1" LG. X 0.026" WIRE DIA.
14	1	McMaster#90273A827 OR EQUIV.	ZINC PLATED STEEL PHILLIPS FLAT HEAD SCREW #10-32 X 3/8" LG. X 82° CSK.
15	2	McMaster#90273A830 OR EQUIV.	ZINC PLATED STEEL PHILLIPS FLAT HEAD SCREW #10-32 X 5/8" LG. X 82° CSK.
16	2	McMaster#90273A835 OR EQUIV.	ZINC PLATED STEEL PHILLIPS FLAT HEAD SCREW #10-32 X 1-1/4" LG. X 82° CSK.
17	1	McMaster#90905A655 OR EQUIV.	316 SS SPLIT RING 15/16" ID. X 1-1/16" OD. X 1/8" THK.
18	1	McMaster#90985A125 OR EQUIV.	17-4 PH SS PUSH BUTTON QUICK RELEASE PIN 1/4" DIA. X 3/4" USABLE LG.
19	1	McMaster#95307A500 OR EQUIV.	CADMIUM PLATED STEEL FLANGE LOCKNUT 1/4"-28 X 7/32" HT.
20	1	McMaster#98410A109 OR EQUIV.	YELLOW ZINC PLATED STEEL RETAINING RING FOR 3/16" OD. X 0.168" ID. X 0.015" THK.
21	1	CARR-LANE#CL-2-C	NYLON COATED STEEL LANYARD 1/16" DIA.
22	1	NAS1149F0332P	WASHER



**RBW6700G01431-6F POSITIONING TOOL (0 DEGREE SWASHPLATE)**

14

**NOTES:**

1) MATERIAL: N/A  
2) HEAT TREAT: N/A  
3) FINISH: N/A

4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"

A 5) UNITS: INCHES UNLESS OTHERWISE NOTED  
6) IDENTIFICATION: N/A  
7) ASSEMBLE AS SHOWN  
8) APPLY RED THREADLOCKER LOCTITE 263/262 ON THREADS OF ITEM 15 THEN ASSEMBLE WITH ITEM -2, AND REMOVE EXCESS  
9) APPLY RED THREADLOCKER LOCTITE 263/262 ON THREADS OF ITEMS 14 AND 16 THEN ASSEMBLE WITH ITEM -10, AND REMOVE EXCESS  
10) APPLY RED THREADLOCKER LOCTITE 263/262 ON THREADS OF ITEM 19 THEN ASSEMBLE WITH ITEM -3, AND REMOVE EXCESS  
11) INSTALL ITEM 19 WITH ITEM -3 UNTIL ONE THREAD OF ITEM -3 IS EXPOSED  
12) ASSEMBLED LANYARD LENGTH MUST BE 6" +/- 1", LANYARD MUST MOVE FREELY WHEN INSTALLING/REMOVING ITEM 18  
13) ITEM -6 MUST ROTATE FREELY WHEN ITEM 18 IS REMOVED  
14) THE TOOL ASSY MUST BE PACKAGED WITH A DESICCANT BAG INTO A TIGHT FITTING SEALED PLASTIC BAG

A	NEW ISSUE	19-705	KPT
REV.	DESCRIPTION	ECN #	BY
DESIGN	KPT	<b>DART AEROSPACE LTD</b>	
DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA	
CHECKED	MBB	REV. A	
MFG. APPR.	FK	TOOL PART #	
APPROVED	VIP	RBW6700G01431-6F	
DATE 4/25/2019		SHEET 1 OF 12	
TITLE POSITIONING TOOL (0 DEGREE SWASHPLATE)		SCALE NTS	
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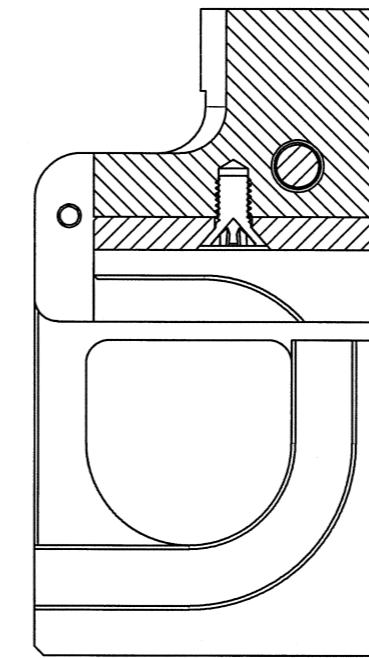
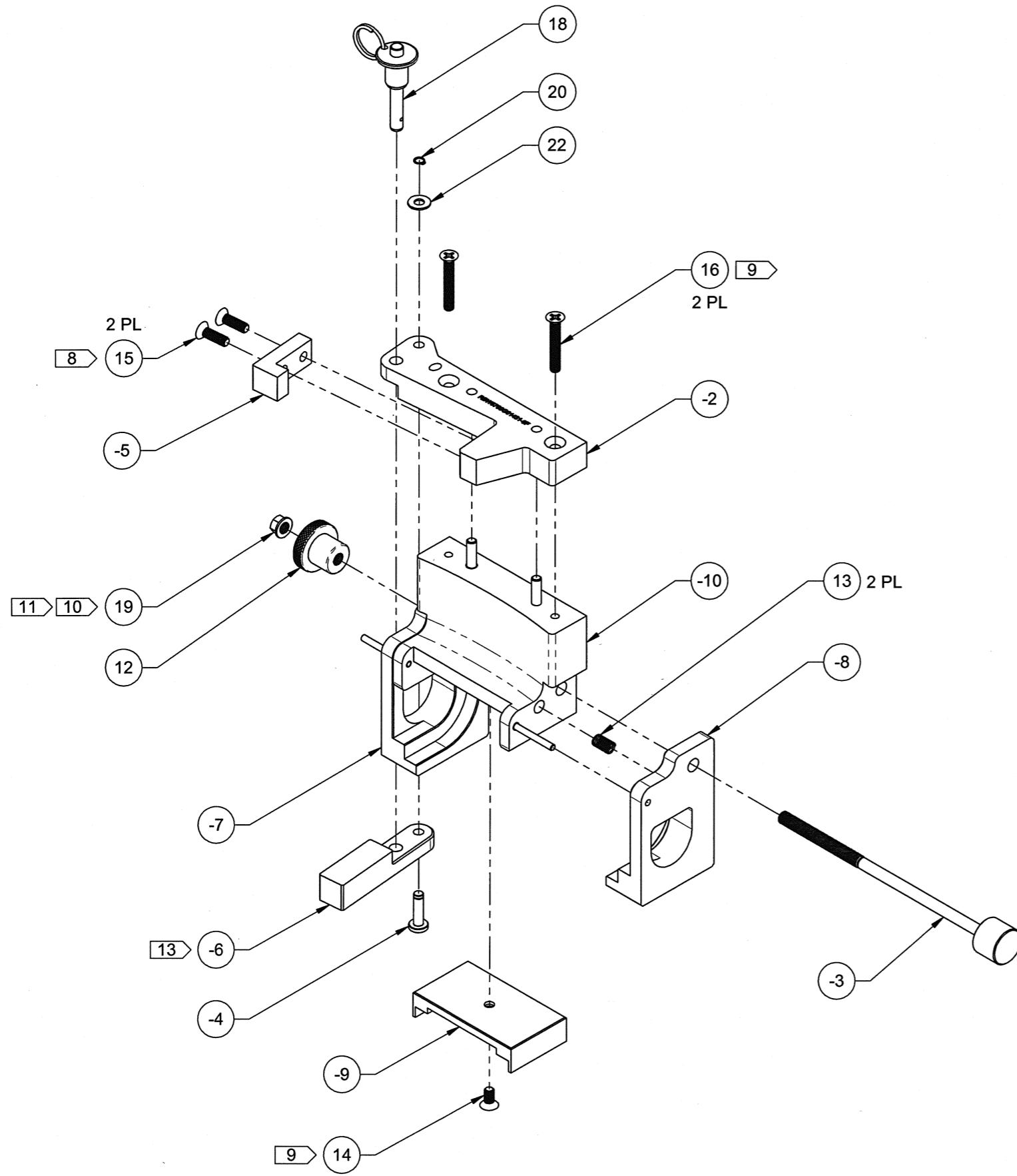
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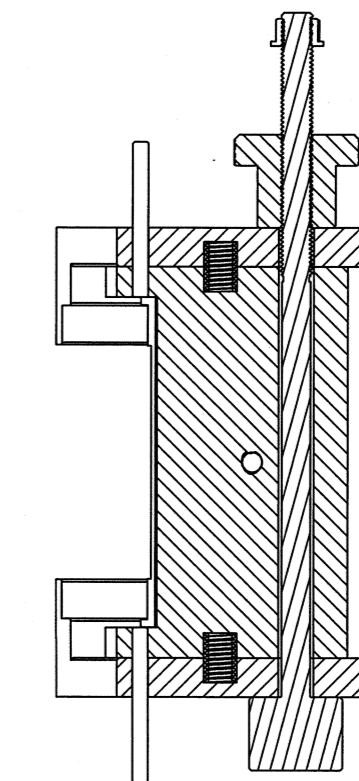
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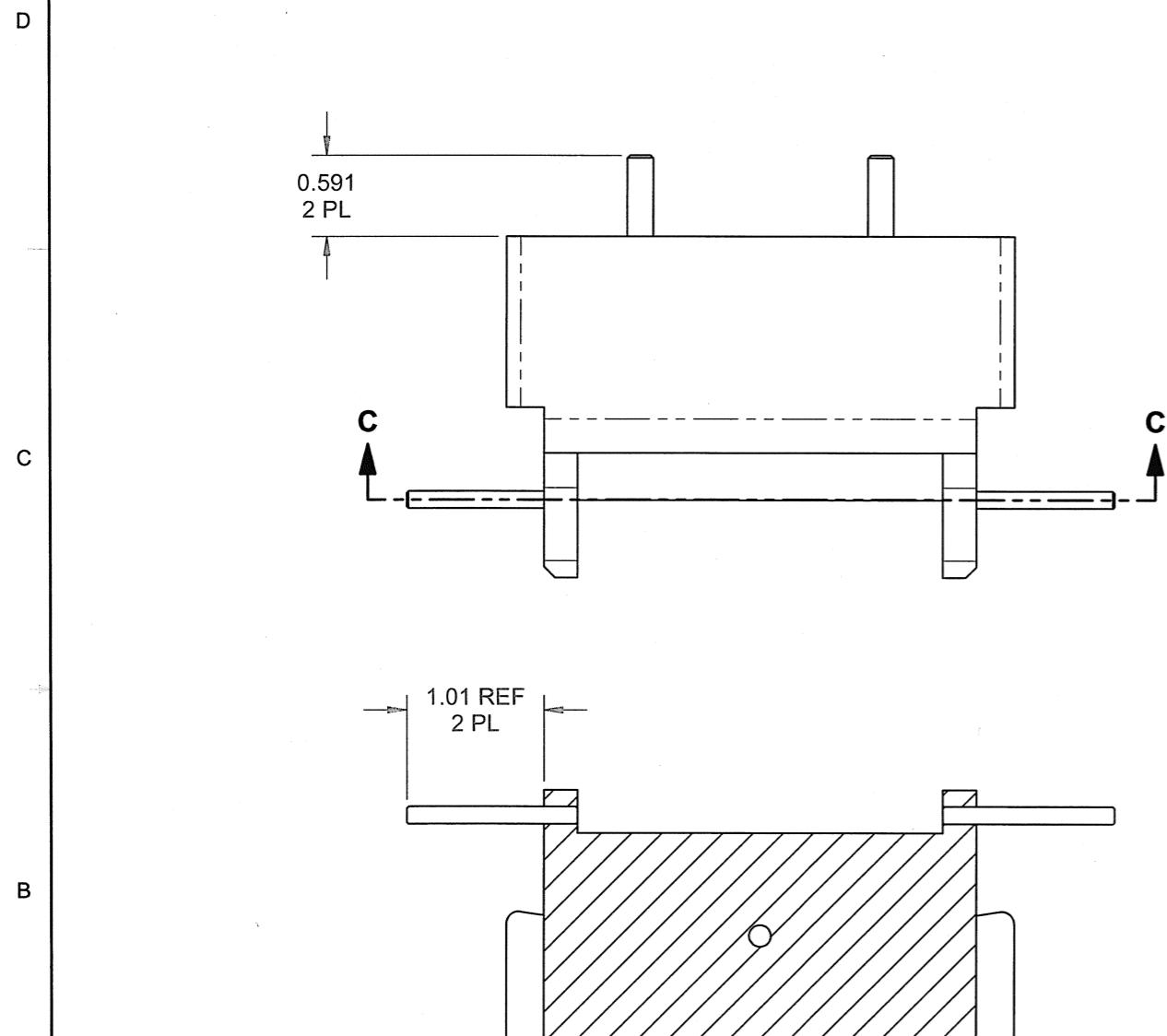
**SECTION B-B**



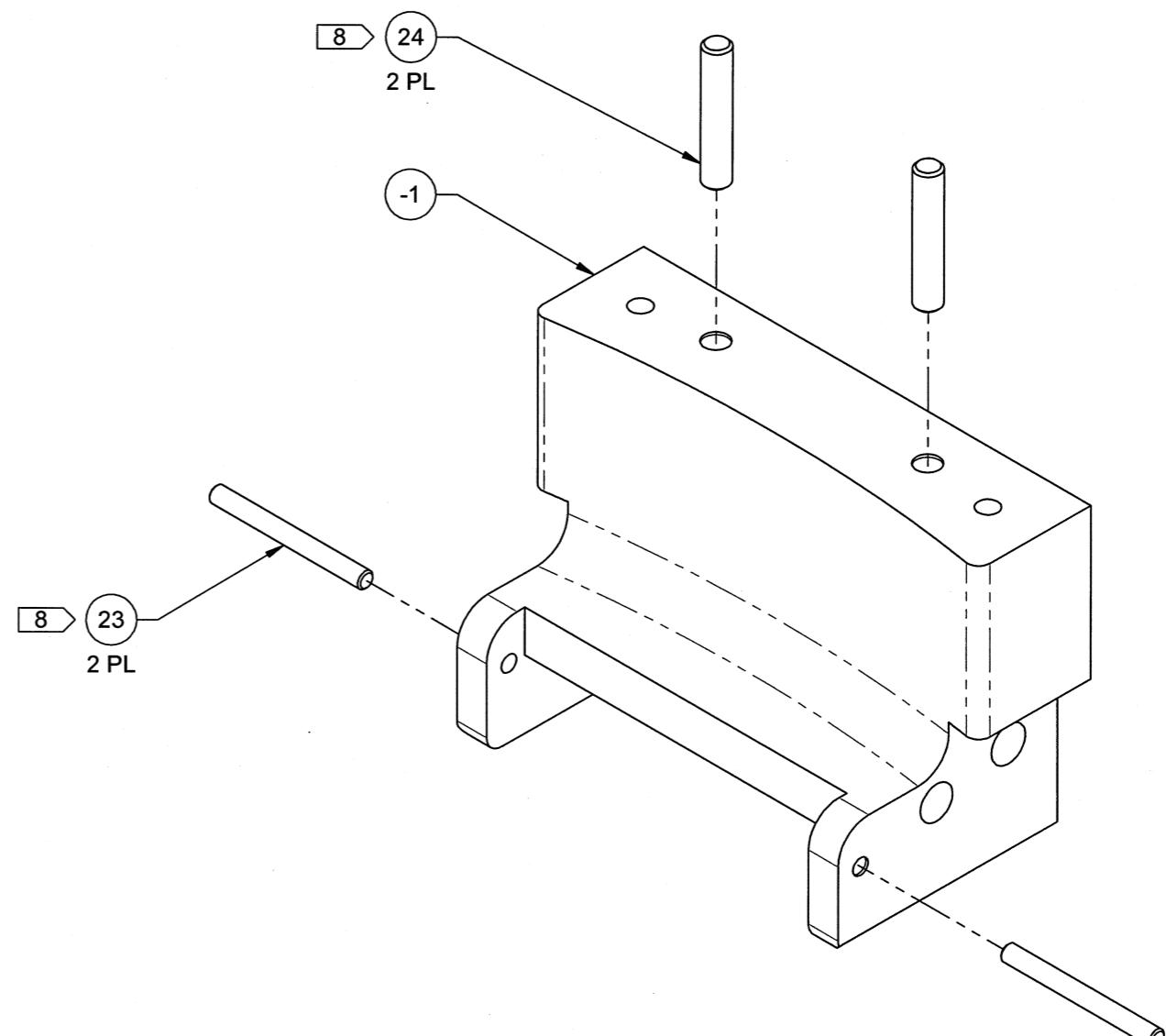
**SECTION A-A**  
(ROTATED 12.4° CW)

DESIGN DRAWN	KPT	<b>DART AEROSPACE LTD</b>			
CHECKED	MBB	HAWKESBURY, ONTARIO, CANADA			
MFG. APPR.	FK				
APPROVED	<i>WJ</i>				
DATE	4/25/2019	REV. A			
TOOL PART #		SHEET 2 OF 12			
<b>RBW6700G01431-6F</b>		SCALE			
TITLE		NTS			
POSITIONING TOOL (0 DEGREE SWASHPLATE)					
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ITEM #	QTY	PART #	PART TITLE
-1	1	RBW6700G01431-6F-1	MOUNTING BASE
23	2	McMaster#98381A477 OR EQUIV.	STEEL DOWEL PIN 1/8" DIA. X 1-1/4" LG.
24	2	McMaster#98381A510 OR EQUIV.	STEEL DOWEL PIN 3/16" DIA. X 1" LG.



SECTION C-C

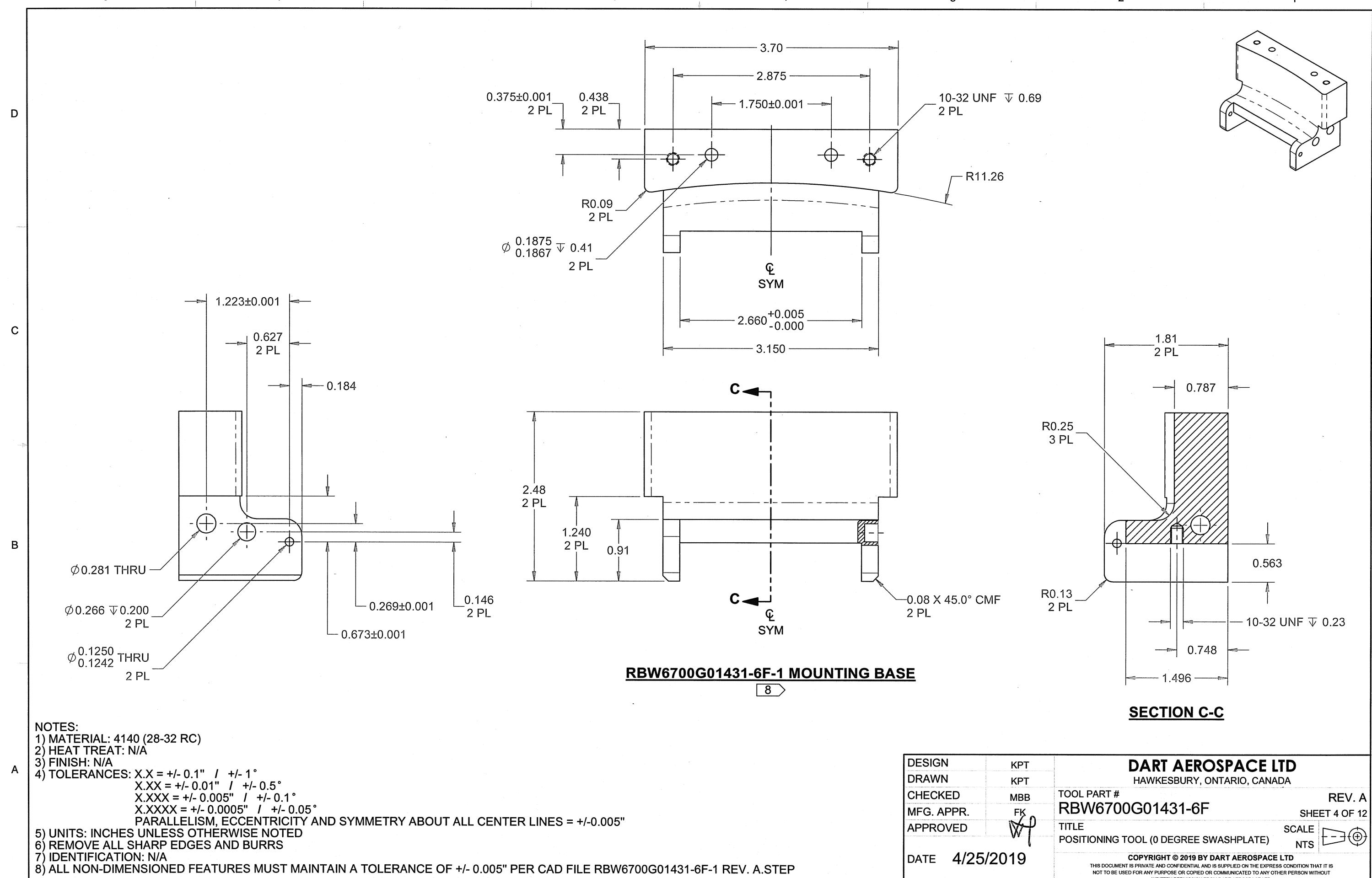


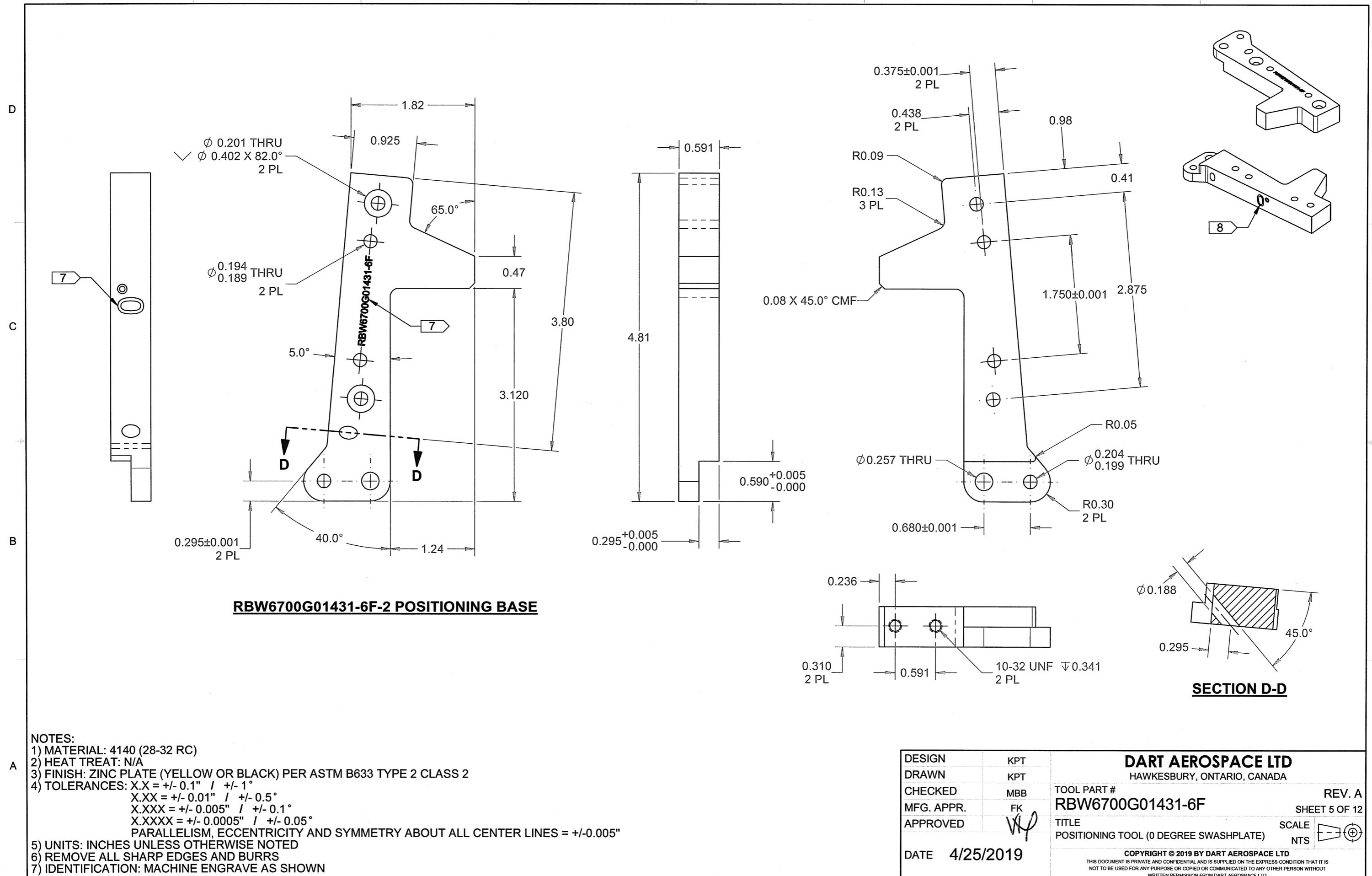
**RBW6700G01431-6F-10 MOUNTING BASE ASSEMBLY**

NOTES:

- 1) MATERIAL: N/A
- 2) HEAT TREAT: N/A
- 3) FINISH: BLACK OXIDE PER MIL-C-13924 CLASS 1 THEN APPLY A THIN LAYER OF OIL / CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE III OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) IDENTIFICATION: N/A
- 7) ASSEMBLE AS SHOWN
- 8) APPLY RETAINING COMPOUND LOCTITE 620 OR EQUIVALENT ON MATING SURFACES THEN PRESS FIT ITEMS 23 AND 24 WITH ITEM -1, AS SHOWN, AND REMOVE EXCESS

DESIGN DRAWN	KPT KPT	<b>DART AEROSPACE LTD</b>	
CHECKED	MBB	HAWKESBURY, ONTARIO, CANADA	
MFG. APPR.	FK	TOOL PART #	REV. A
APPROVED	<i>WJ</i>	RBW6700G01431-6F	SHEET 3 OF 12
		TITLE	SCALE
		POSITIONING TOOL (0 DEGREE SWASHPLATE)	NTS
		DATE 4/25/2019	COPYRIGHT © 2019 BY DART AEROSPACE LTD
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DESIGN DRAWN	KPT	<b>DART AEROSPACE LTD</b>
CHECKED	MBB	HAWKESBURY, ONTARIO, CANADA
MFG. APPR.	FK	REV. A
APPROVED	WY	TOOL PART # RBW6700G01431-6F
		SHEET 5 OF 12
		TITLE POSITIONING TOOL (0 DEGREE SWASHPLATE)
		SCALE NTS
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DATE 4/25/2019

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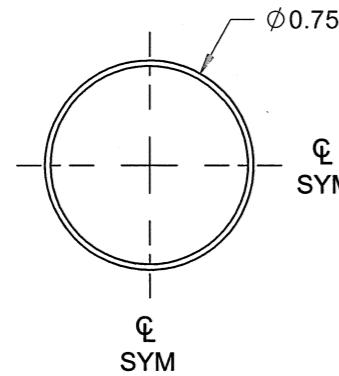
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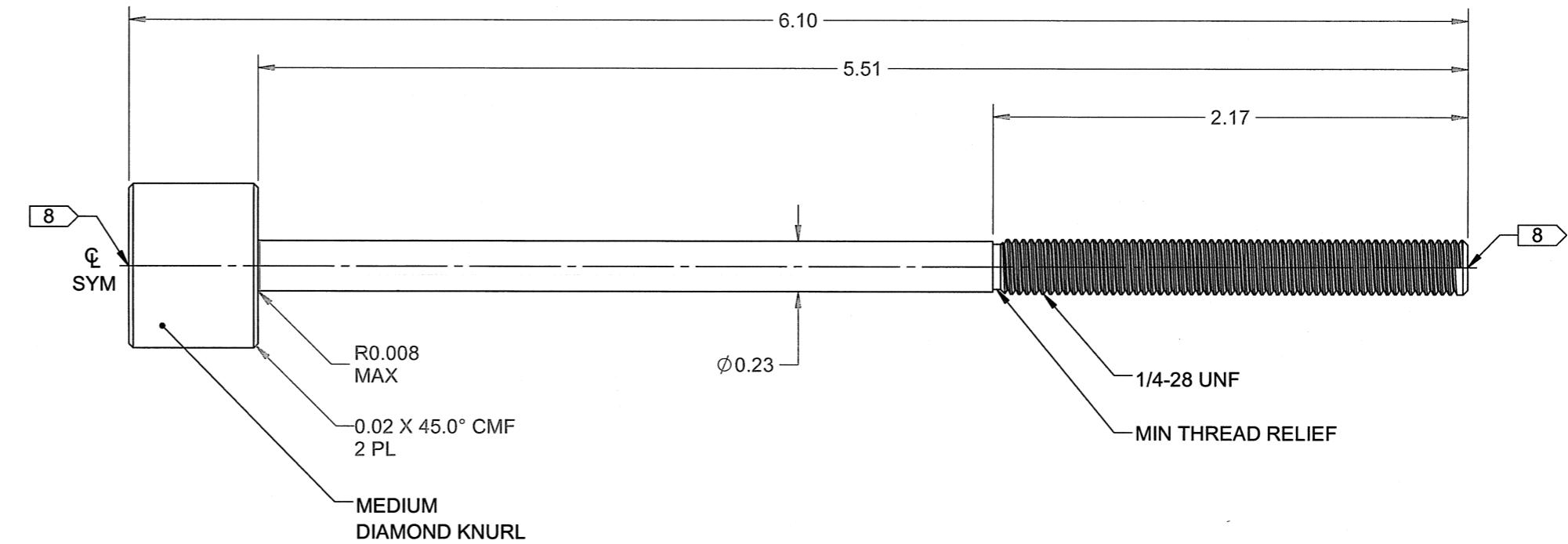
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RBW6700G01431-6F-3 PIN



NOTES:

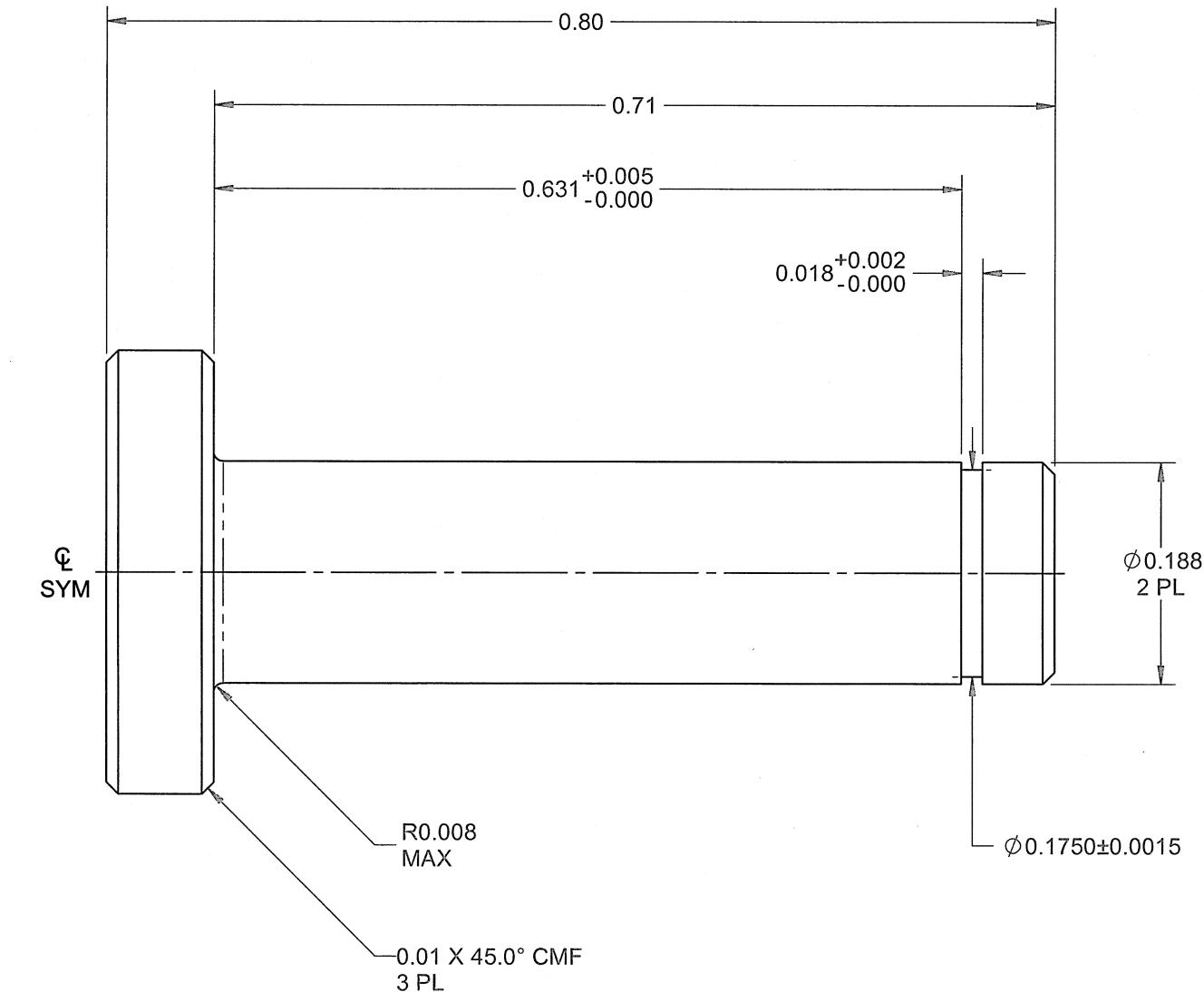
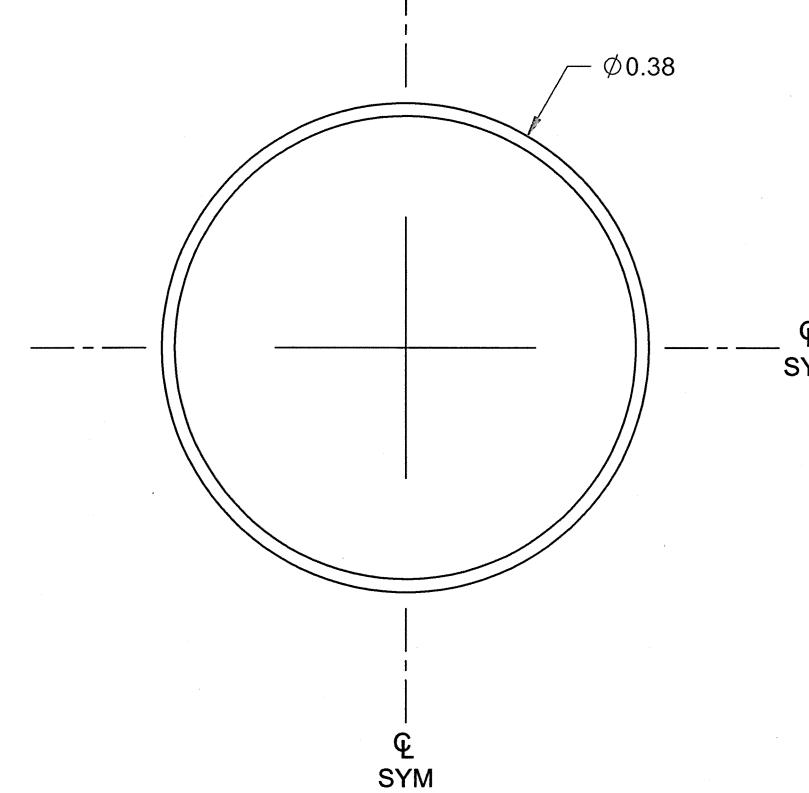
- 1) MATERIAL: 4140 (28-32 RC)
- 2) HEAT TREAT: N/A
- 3) FINISH: BLACK OXIDE PER MIL-C-13924 CLASS 1 THEN APPLY A THIN LAYER OF OIL / CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE III OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) REMOVE ALL SHARP EDGES AND BURRS
- 7) IDENTIFICATION: N/A
- 8) CENTER DRILL IS ACCEPTABLE

DESIGN DRAWN	KPT	<b>DART AEROSPACE LTD</b>
CHECKED	MBB	HAWKESBURY, ONTARIO, CANADA
MFG. APPR.	FK	REV. A
APPROVED	VTP	TOOL PART #
		<b>RBW6700G01431-6F</b>
		TITLE
		POSITIONING TOOL (0 DEGREE SWASHPLATE)
DATE	4/25/2019	SCALE
		NTS

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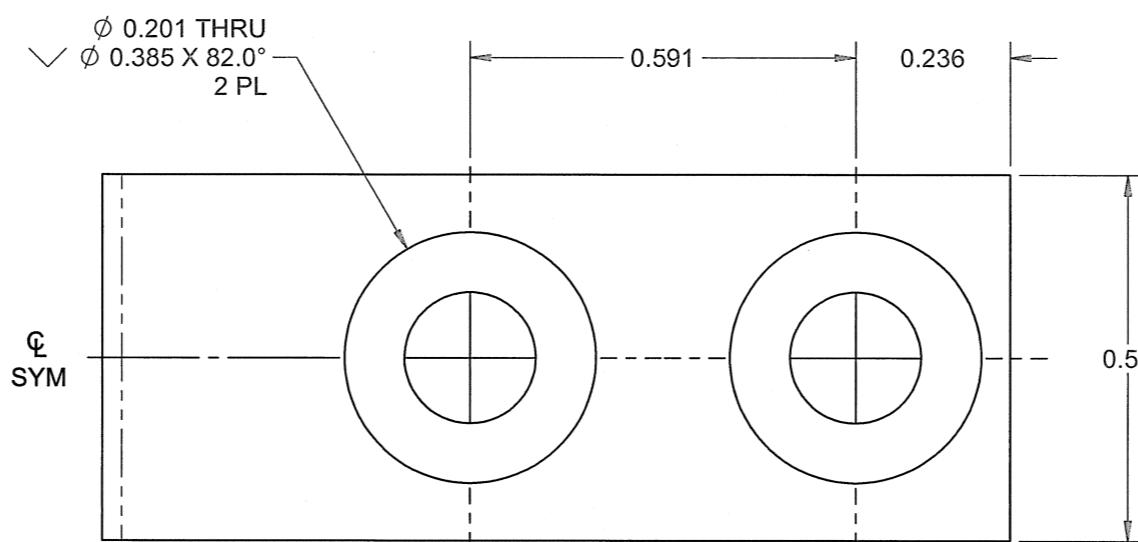
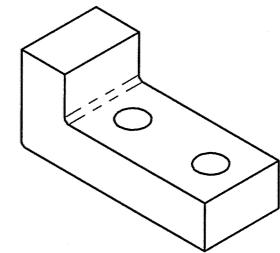
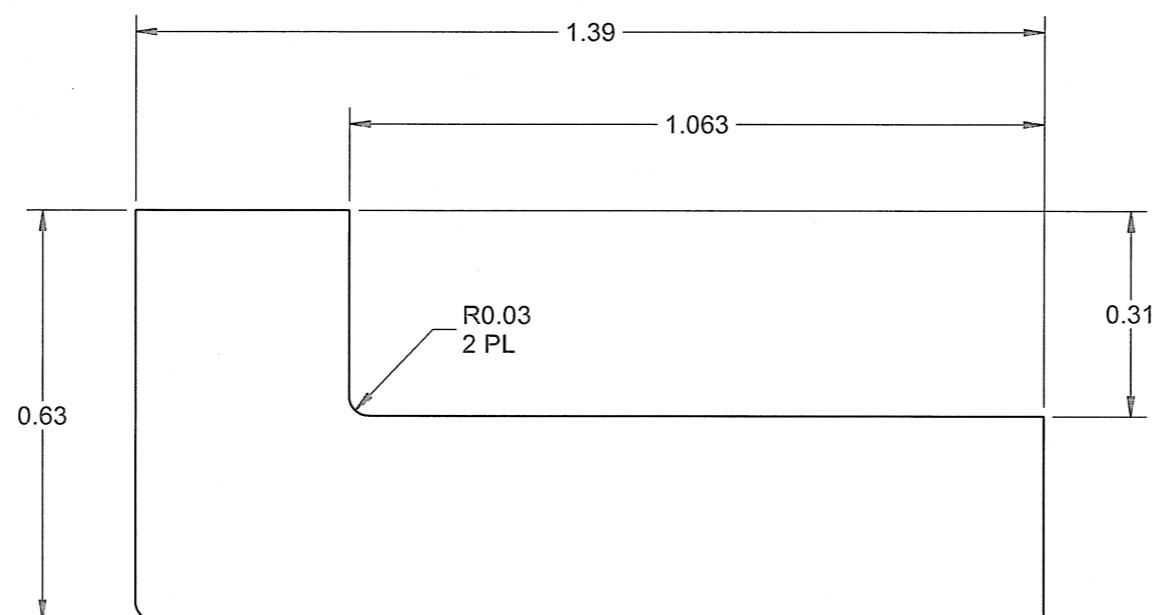


### RBW6700G01431-6F-4 PIVOT PIN

#### NOTES:

- 1) MATERIAL: 4140 (28-32 RC)
- 2) HEAT TREAT: N/A
- 3) FINISH: ZINC PLATE (YELLOW OR BLACK) PER ASTM B633 TYPE 2 CLASS 2
- 4) TOLERANCES: X.X =  $\pm 0.1"$  /  $\pm 1^{\circ}$   
 $X.XX = \pm 0.01"$  /  $\pm 0.5^{\circ}$   
 $X.XXX = \pm 0.005"$  /  $\pm 0.1^{\circ}$   
 $X.XXXX = \pm 0.0005"$  /  $\pm 0.05^{\circ}$   
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES =  $\pm 0.005"$
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) REMOVE ALL SHARP EDGES AND BURRS
- 7) IDENTIFICATION: N/A

DESIGN DRAWN	KPT KPT	DART AEROSPACE LTD			
CHECKED	MBB	HAWKESBURY, ONTARIO, CANADA			
MFG. APPR.	FK	TOOL PART #			
APPROVED	W	RBW6700G01431-6F			
TITLE		REV. A			
POSITIONING TOOL (0 DEGREE SWASHPLATE)		SHEET 7 OF 12			
DATE 4/25/2019		SCALE NTS			
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### RBW6700G01431-6F-5 PROTECTION

#### NOTES:

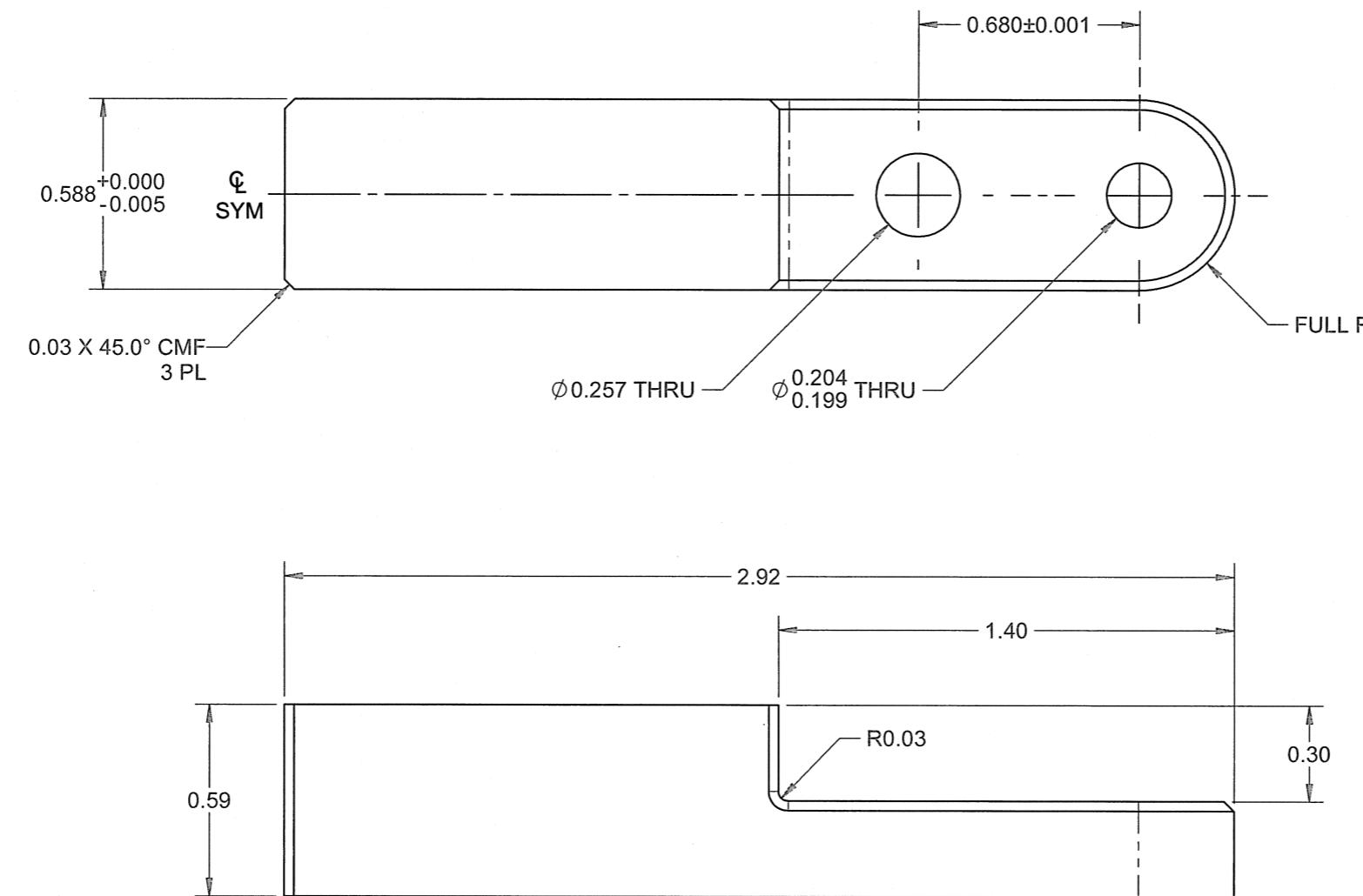
- 1) MATERIAL: NYLON 6 / UHMW
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES:  $X.X = +/- 0.1" / +/- 1^\circ$   
 $X.XX = +/- 0.01" / +/- 0.5^\circ$   
 $X.XXX = +/- 0.005" / +/- 0.1^\circ$   
 $X.XXXX = +/- 0.0005" / +/- 0.05^\circ$   
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES =  $+/- 0.005"$
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) REMOVE ALL SHARP EDGES AND BURRS
- 7) IDENTIFICATION: N/A

DESIGN	KPT	DART AEROSPACE LTD	
DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA	
CHECKED	MBB	TOOL PART #	REV. A
MFG. APPR.	FK	RBW6700G01431-6F	SHEET 8 OF 12
APPROVED	WJ	TITLE	SCALE
		POSITIONING TOOL (0 DEGREE SWASHPLATE)	NTS
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DATE 4/25/2019

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### RBW6700G01431-6F-6 POSITIONING BLOCK

#### NOTES:

- 1) MATERIAL: NYLON 6 / UHMW
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
 X.XX = +/- 0.01" / +/- 0.5°  
 X.XXX = +/- 0.005" / +/- 0.1°  
 X.XXXX = +/- 0.0005" / +/- 0.05°  
 PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) REMOVE ALL SHARP EDGES AND BURRS
- 7) IDENTIFICATION: N/A

DESIGN	KPT	DART AEROSPACE LTD			
DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA			
CHECKED	MBB				
MFG. APPR.	FK				
APPROVED	Wf				
TOOL PART #		REV. A			
RBW6700G01431-6F		SHEET 9 OF 12			
TITLE		SCALE			
POSITIONING TOOL (0 DEGREE SWASHPLATE)		NTS			
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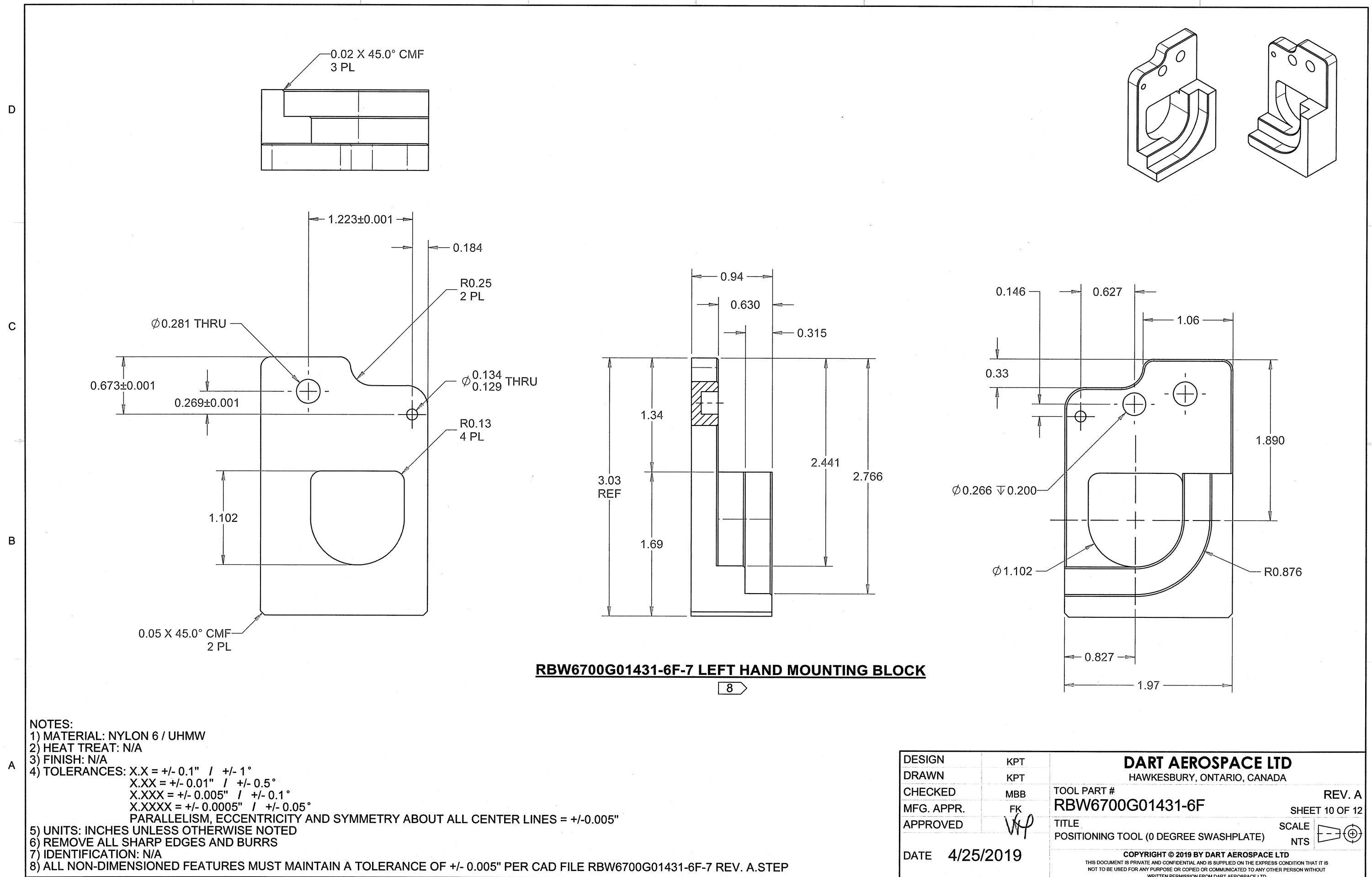
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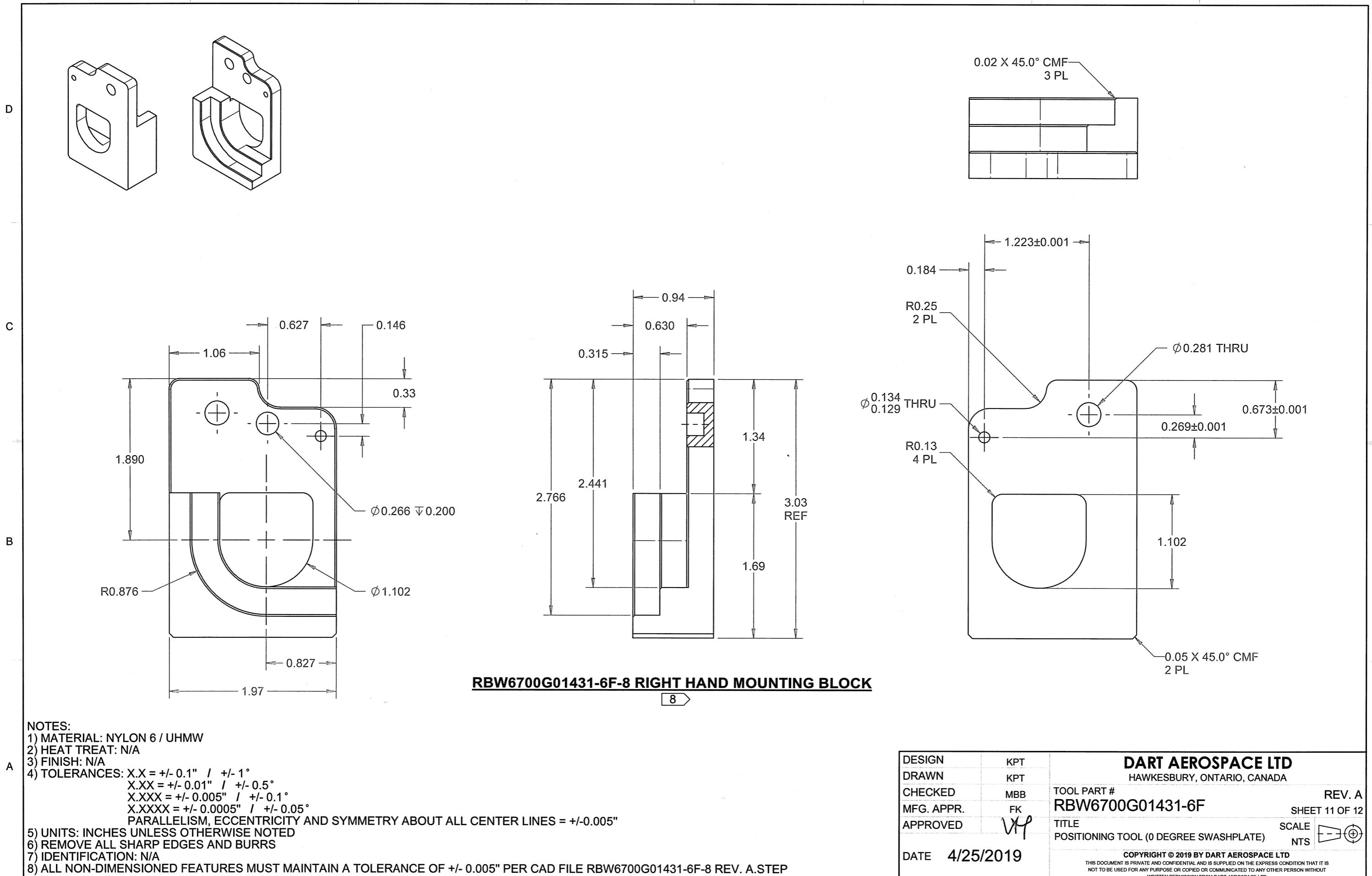
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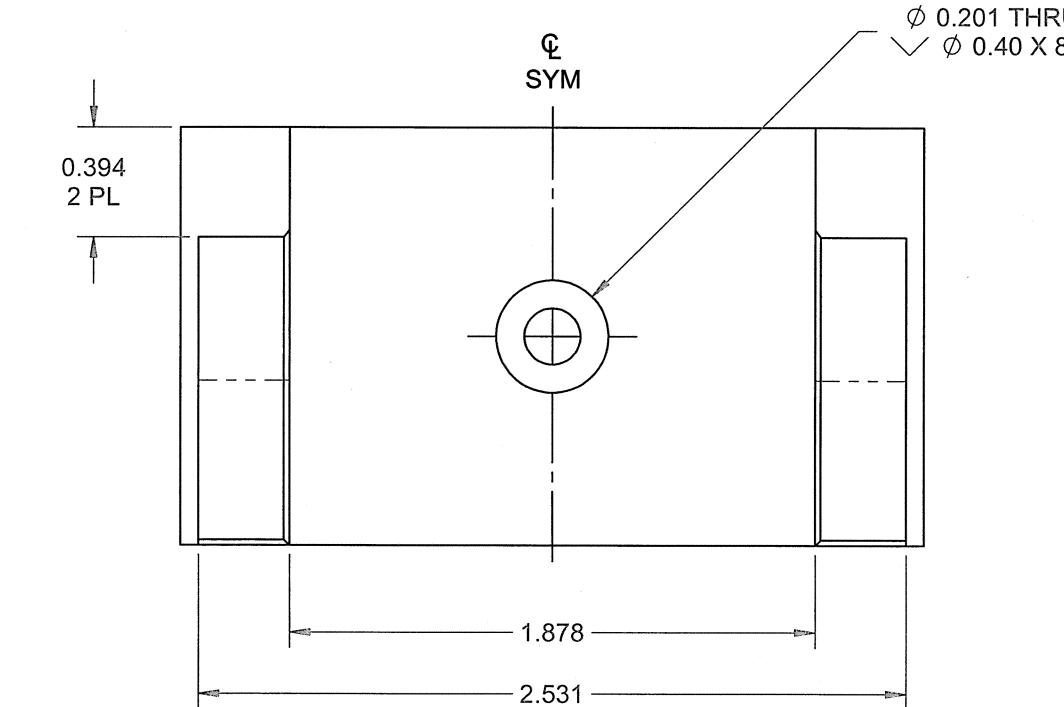
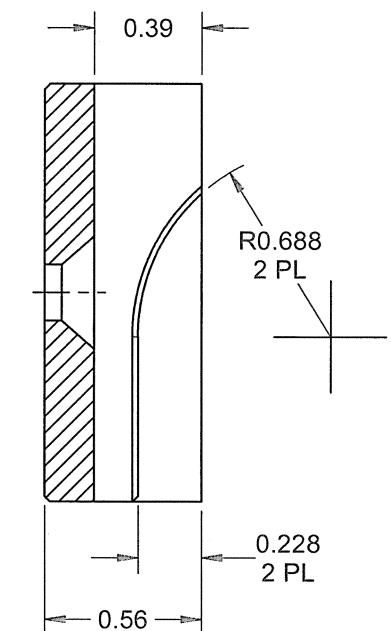
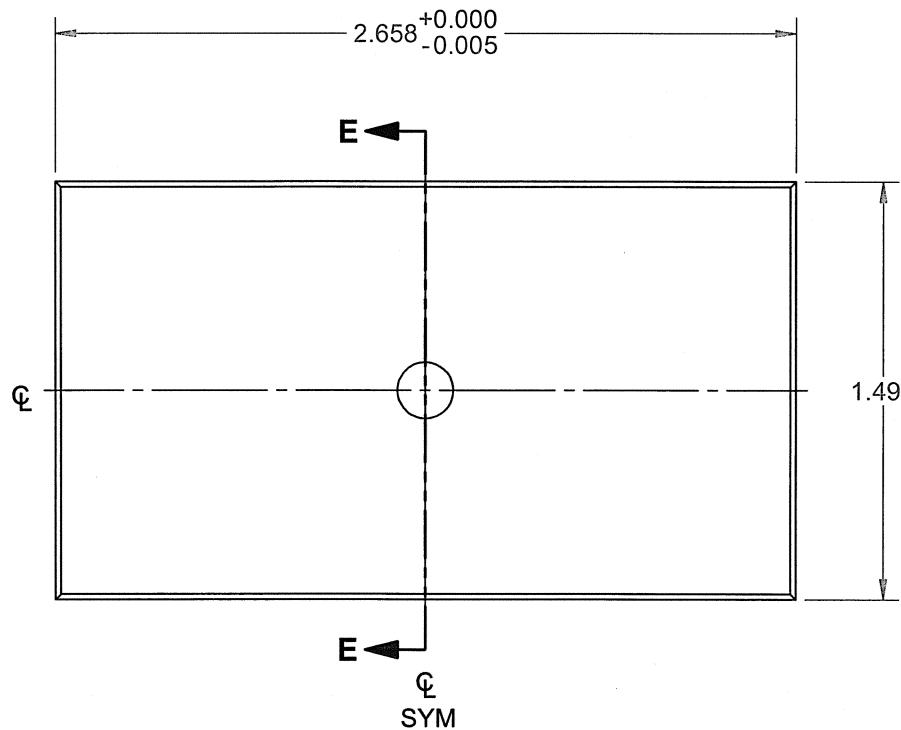


DESIGN DRAWN	KPT	<b>DART AEROSPACE LTD</b>
CHECKED	MBB	HAWKESBURY, ONTARIO, CANADA
MFG. APPR.	FK	REV. A
APPROVED	VMP	SHEET 10 OF 12
DATE 4/25/2019	TOOL PART # RBW6700G01431-6F	SCALE NTS
	TITLE POSITIONING TOOL (0 DEGREE SWASHPLATE)	COPYRIGHT © 2019 BY DART AEROSPACE LTD
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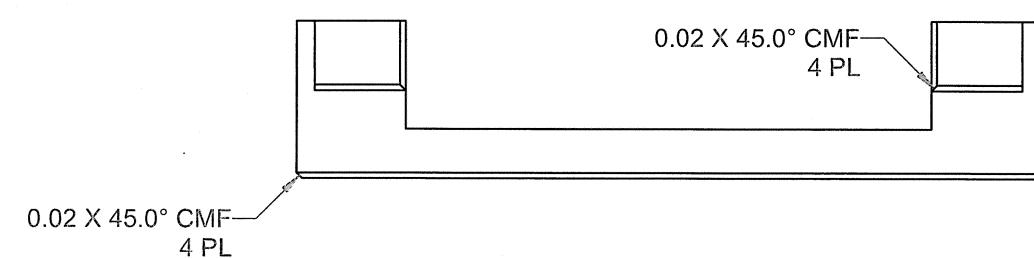
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### RBW6700G01431-6F-9 MIDDLE MOUNTING BLOCK

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### SECTION E-E



#### NOTES:

- 1) MATERIAL: NYLON 6 / UHMW
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) REMOVE ALL SHARP EDGES AND BURRS
- 7) IDENTIFICATION: N/A
- 8) ALL NON-DIMENSIONED FEATURES MUST MAINTAIN A TOLERANCE OF +/- 0.005" PER CAD FILE RBW6700G01431-6F-9 REV. A.STEP

DESIGN DRAWN	KPT KPT	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA
CHECKED	MBB	TOOL PART #
MFG. APPR.	FK	<b>RBW6700G01431-6F</b>
APPROVED	WY	REV. A
		SHEET 12 OF 12
		SCALE NTS
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DATE 4/25/2019